

Final Reports Given In Y-12 United Fund

Payroll Deductions Jump Again In 1964

Final reports on Y-12's United Fund Drive show a total of \$41,852.50 collected for the five counties represented . . . Anderson, Knox, Loudon, Morgan and Roane.

Payroll deductions were up again this year . . . beyond the 80 per cent mark of all employees.

The money amassed in the drive will be distributed as follows:

Anderson	\$23,314.60
Knox	11,383.80
Loudon	1,375.70
Morgan	846.20
Roane	4,631.95
Special Cases	300.25

With the plant population down 312 from last year . . . Y-12 came within \$168 of besting their last year's record-breaking figures of \$42,021.13.

More than 94 per cent of all contributions will be in payroll deductions. These cumulative figures will go regularly to the needed agencies in the five counties where most Y-12ers live. This

Met Prep

Christmas Frolic!

December 12, 1964

FTS Cut-Over Delayed Until Next Month

Y-12ers are advised that cut-over to the Federal Telecommunications System (set for November 1) has been delayed. Technical reasons have been given as the cut-over date is moved to the week-end of December 20.

New directories will be issued to plant personnel prior to the December 20th date, and detailed information released on using the telephone on the FTS.



C. E. LARSON, vice president, presents Anderson County's United Fund Drive with Union Carbide Corporation's gift. Accepting the \$8,150 is Tom Hill Jr., county director.

will mean better community-shared projects for the building of youth, the care of the aged, and the help to those who need it.

Last week, Union Carbide's corporate gift was presented to Anderson County United Fund by Dr. C. E. Larson, vice president.

Giving until it helps is one of the best ways an employee can prove his citizenship and worth in his community. Sharing the responsibilities of the various needs of each other is a time-honored American tradition.

Aren't you glad you gave?



LEN G. WHITTEN is seen receiving a patent application for his "Interferometer" development. The award was presented by George A. Strasser, Technical Services Superintendent, as George Evans, Dimensional Inspection Superintendent, looks on from the right.



A JOINT DEVELOPMENT "PRECISION LATHE" brought Victor Hovis, left, Mechanical Development, and E. E. Palmer, right, a patent application recently. E. W. Bailey presents Hovis his award, and Leo Waters, seated, gives Tool Engineering's Palmer his congratulatory letter. Both letters were accompanied by the customary \$1.

Two Lost-Time Mishaps Mar Y-12's Safety Scene

1964's fifth and sixth lost-time injuries were recorded in Y-12 recently. On October 20, an employee in the Rubber Shop struck his leg with a junction box. The bruise was treated immediately, but complications later necessitated the employee's hospitalization.

On October 25, a process operator in the H-1 Foundry received a severe bruise on his wrist. The wrist was not fractured but the bruise required hospitalization for observation and treatment.

The last disabling injury (the fourth thus far in this year) occurred on September 15.

THE SUSPICIOUS TYPE

Suzie the secretary reports her boss is so methodical that every time he catches a cold he meticulously compiles a list of everyone who might have given it to him.

Union Carbide's Sales, Income Set New High For 3rd Quarter

Strong Demand And Relatively Stable Prices Given For Reasons Of Record-Smashing Quarter

Record earnings and record sales are reported by Union Carbide Corporation thus far in 1964!

Sales up 10 per cent . . . net income up 14 per cent over the same period for 1963.

New earnings of \$132,900,000 (or \$4.41 a share), on record sales of \$1,355,800,000 for the first nine months of 1964 have been announced by Birny Mason Jr., president. Sales were 10 per cent ahead of last year's \$1,235,400,000. Net income for the period showed an increase of 14 per cent over the \$116,200,000 or \$3.86 a share, earned in the same period in 1963.

Net income for the third quarter was \$47,100,000, or \$1.56 a share, a new high for any quarter period. This was four per cent more than the \$45,200,000, or \$1.50 a share, earned in the second quarter of this year, and 17 per cent higher than the \$40,100,000, or \$1.33 a share, earned in the third quarter of 1963.

Mason said that the July-August-September sales of \$483,300,000 set a new record for any previous quarter. Commenting on the sales results, he noted continuing strong demand in all areas of the corporation's business and the maintenance of relatively stable prices since his second-quarter report. Union Carbide's president stated further that if this demand continued, earnings for the full year relative to 1963 should show the same level of improvement as that achieved so far.

Comparative statements of income follow.

Income	Nine Months Ended September 30		
	1964	1963	1962
Net Sales	\$1,355,780,000	\$1,235,387,000	\$1,209,113,000
Other Income	11,636,000	8,921,000	10,679,000
	1,367,416,000	1,244,308,000	1,219,792,000
Net Income	132,922,000	116,182,000	112,041,000
Net Income Per Share—			
On 30,114,890 shares	\$4.41		
On 30,107,423 shares		\$3.86	
On 30,106,473 shares			\$3.72
Income	3rd Quarter		
	1964	2nd Quarter 1964	3rd Quarter 1963
Net Sales	\$ 483,276,000	\$ 455,049,000	\$ 430,149,000
Other Income	3,049,000	5,147,000	1,298,000
	486,325,000	460,196,000	431,447,000
Net Income	47,094,000	45,211,000	40,118,000
Net Income per share—			
On 30,114,890 shares	\$1.56		
On 30,113,107 shares		\$1.50	
On 30,107,423 shares			\$1.33

90¢ Dividend Declared For 1964 3rd Quarter

The board of directors of Union Carbide Corporation has declared a quarterly dividend of ninety cents (90c) per share on the outstanding capital stock of the corporation, payable December 1, 1964, to stockholders of record November 6, 1964. The last quarterly dividend was 90c per share paid September 1.

Payment of this quarterly dividend on December 11 will make a total of \$3.60 per share paid in 1964.

TYPICAL AMERICAN

A typical American is a fellow who has just driven home from an Italian movie in his German car, is sitting on Danish furniture; drinking Brazilian coffee from an English coffee cup, writing a letter on Irish linen paper with a Japanese ball point pen. He is writing his congressman complaining about too much American gold going overseas!

Stanford Lab Visitor To Hold Seminar

ORNL's Thermonuclear Division announces a seminar for next Monday, November 9. F. W. Crawford, Stanford Electronic Laboratories, Stanford, California, will discuss "Cyclotron Harmonic Waves."

The seminar is set for 11 a.m. in the TD Conference Room, Building 9201-2.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
Seven Days Or
217,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury

Through November 1

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For Daily Report
On Accident-Free Hours

The Bulletin

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CORPORATION



JAMES A. YOUNG Editor



OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
Telephone 7100

Sweetwater Rites For T.G. Crabtree

The plant was saddened last week by the death of Ted G. Crabtree, Area Five Maintenance. Mr. Crabtree died in Sweetwater, Wednesday, October 28. He had been in the plant since November 2, 1951.



T. Crabtree

Funeral services were held at 2 p.m. Friday, October 30, at the Presbyterian Church, Sweetwater, with the Reverend Walter Smalley and Dr. D. R. Greenhoe officiating. Burial followed at the Sweetwater Valley Memorial Park.

Mr. Crabtree is survived by his wife Mrs. Kathleen Plemons Crabtree; two daughters, Debbie and Teresa Crabtree; a step-son, Douglas Wrinn; parents, Mr. and Mrs. Grover C. Crabtree, Sweetwater; brothers, Jack P. and Joe Crabtree, Sweetwater, T. L., Aiken, South Carolina; James K. Crabtree, Columbia, South Carolina; sisters Mrs. Kathleen Dew, Knoxville, and Mrs. R. H. Johnson, Columbus, Georgia.

Sincere sympathy is extended the Crabtree family.

IEEE Meeting Is Set Next Week

The Oak Ridge section of the Institute of Electrical and Electronic Engineers will meet in the Green Room of the Ridge Recreation Hall next Thursday, November 12, at 7:30 p.m.

The speaker will be R. H. Dilworth, chief electronics engineer and assistant technical director of the Oak Ridge Technical Enterprises Corporation. He will speak on "Design Criteria for Successful Commercial Products."

Before joining ORTEC in January, 1962, Dilworth was in the Instrumentation and Controls Division at Oak Ridge National Laboratory where he worked in basic instrumentation and shared in the development of a personal radiation monitor. Prior to his ORNL work, he was in instrument development at the Oak Ridge Institute of Nuclear Studies. He received his degree in Engineering Physics from the University of Tennessee and is a member of IEEE, American Nuclear Society, the Research Society of America, and Tau Beta Pi.

All members and guests are invited to attend this meeting. Refreshments will be served after the meeting.

Hurricanes always originate over the ocean.



An interesting question has been raised by an irate teen-ager. Recently the Air Terminal at Los Angeles refused to allow the Beatles to land because of the threat of over-enthusiastic fans at the airport. "If all airports were like this one," wrote the fan, "where would these wonderful lads land."

Interesting proposal? Just leave them air-borne!

Airing the news in Y-12, it's found in

FABRICATION



Terri Lynn Kiser

The only grandchild and pride and joy of W. O. Harris, 9212 Shops, is Terri Lynn Kiser. Terri is the daughter of Mr. and Mrs. Arthur Kiser, Devonia, where the father is a teacher in the Anderson County School System. She is seven months old.

The quickest way to get a lot of undivided attention is to make a mistake.

Metallurgical Development wings in news of a new arrival in the Charles J. Roesch household . . . a daughter (number three) Lynda Marie Roesch was born October 24 at St. Mary's Hospital,

Knoxville. Little Lynda weighed seven pounds, 14 and 1/2 ounces at birth.

A hearty welcome back is issued to Jerry L. Cadden.

SHIFT SUPERINTENDENTS AND UTILITIES

Jim McCall has a pair of rabbit dogs and a new rifle. He's going to try all three of them out on vacation.

Traveling to see the "Big Orange" beat Georgia Tech in Atlanta is R. G. Hurst.

Going for a late picnic is J. H. Thomas.

The PSS Office has Jim McLain on vacation at home . . . R. W. Brothers took off too, without any definite plans.



Rita Earlene Llewellyn

How's this little trick? Born last July 31, little Rita Earlene Llewellyn is the granddaughter of J. E. Llewellyn. Her parents, Mr. and Mrs. William E. Llewellyn, brought her back from the East



PATE—NEELEY

Miss Melinda Joyce Neeley became the bride of Mr. William Alexander Pate III Saturday, October 3 at 7:30 p.m. The rites were performed at the First Baptist Church of Powell with the Reverend W. H. Parrott officiating. The bride is the daughter of Mr. and Mrs. John H. Neeley, Gill Drive, Powell. Mr. Neeley is in Y-12's Special Mechanical Production. The groom is the son of Mr. and Mrs. William A. Pate Jr., 4428 Royal View Road, Knoxville.

For her wedding, the bride chose a white taffeta gown with a bodice of chantilly lace. Her veil was held by a satin and lace pillbox hat. She carried a white orchid and white carnations on a white Bible.

Mrs. William H. Stooksbury, Atlanta, was her sister's matron-of-honor. Miss Carol Johnson was maid of honor and Miss Judy Neeley, sister of the bride, was junior bridesmaid. Bridesmaids were Mrs. Hughie E. Neeley, Fort Gordon, Georgia, and Miss Josephine Beeler. The bridal attendants wore honey-colored peau satin and carried bouquets of bronze chrysanthemums.

Mr. William Pate Jr. was his son's best man. Ushers were Hughie E. Neeley, J. C. Neeley, both brothers of the groom, and Ray Pate, brother of the groom.

The couple is at home at 112 Cherokee Avenue, Nashville, Tennessee, where the groom is employed by the Chemical and Glass Division of Ford Motor Company.

Tennessee Baptist Hospital for the proud grandparents to get a glimpse of.

Men who try and fail are better than those who try to do nothing and succeed.

That's about it.

6-12291



Mrs. William Alexander Pate III



Early in November, many celebrate important dates with Union Carbide Corporation. Congratulations to each of the anniversary-observers below.

20 YEARS

James I. McKinley, Dimensional Inspection, November 6.

Ruby K. Jones, Chemical Services, November 8.

Andrew Alfred, G-3 Processing, November 8.

Alexander M. Lowry, Process Maintenance, November 9.

James C. Yarber, Utilities Administration, November 9.

15 YEARS

Clarence E. Legg, Laboratory Operations, November 7.

10 YEARS

Roy J. West, Microreproduction and Engineering Services, November 5.

Robert V. Walker, Process Maintenance, November 5.

Claude E. Leatherwood, Graphite Shop, November 8.

Curtiss R. Casaway, Stores Department, November 8.

Carl T. Selvidge, Alpha Five Machine Shop, November 10.

Herman P. Alexander, Thorium Machining, November 10.

They 'Could Have Danced All Night'

A small, but happy crowd, attended the big Halloween Dance last Friday, October 23.

A surprisingly large number came in costumes . . . as is seen in the attached photos . . . original costumes, too.

Werner and Janet Schenk walked away with first prize for the best couple's costume . . . Edd and Jeanne Cothron took second place. The best-dressed male was T. S. Moody, and Dick Heestand was second. Best-dressed females were Marie Heestand and Daisy Ward.

Heestand also took an electric frypan as a door prize. Janet Schenk won a food blender. Pearl Meador took the waffle iron and Ira Shotts won the electric broiler.

Quite a dance . . . they could have danced all night!



AREA FIVE MAINTENANCE men gathered last week to say goodbye to one of their long-timers, Virgil W. Reeder, standing in checked shirt in the center. Reeder left Friday, October 30, after more than 16 years of Y-12 service.



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P. J. BREMAN, Mechanical Engineering Department, took first place in the Carbide Camera Club's recent contest on landscapes. The above shot was, of course, in beautiful color, and loses some of its beauty in black and white . . . but the composition is still there. The cloud detail is lost in transfer to b&w also. It's still a beautiful still, Breman, congratulations.

Has Beens Hard To Beat On Alleys

The Has Beens stay hot in the Classic Bowling League. They took four points last week at the expense of the Wasps. Other four pointers went to the All Stars over the Playboys, the Bumpers over the Smelters, and the Screwballs over the Tigers. Three point victories went to the Eightballs over the Swingsters, the Rippers over the Splinters, the Markers over the Cubs, and the Rebels over the Wolves.

Jim Beckett, Cubs, rolled high singles of the night, posting a 230, 263 scratch and handicap high. R. G. Marlar, Splinters, had a scratch series of 595 and J. G. McArthur, Smelters, took a 679 handicap series.

The Screwballs took high singles, with 939 scratch and 1095 handicap. The Has Beens rolled high scratch series with 2609 and the Screwballs returned to the boards with high handicap series of 3044.

League standings follow:

Team	W	L
Has Beens	30	6
Eightballs	23	13
Splinters	22	14
Rippers	21	15
All Stars	20	16
Bumpers	20	16
Tigers	19	17
Screwballs	18	18
Smelters	17	19
Swingsters	17	19
Markers	17	19
Wasps	15	21
Playboys	15	21
Wolves	15	21
Rebels	13	23
Cubs	5	31

KEEP IT SIMPLE

"When engaged in periodical revolutions, a piece of concreted earthy or mineral matter of various composition at no time accumulates any Musci-class bryophytic living organisms. In other words, a rolling stone gathers no moss!"

Tennis League Aims At Play-Off

Another week should wind up action in the last half of Y-12's Tennis League. Bill Akers recently overcame two opponents . . . Ralph Levey 6-2, 6-1, and Ed Del Grande 6-0, 6-3. Campbell King took on Bob Bass, winning 6-2, 6-1. Sam Campbell defeated John Pridgeon by default.

It now looks like a play-off between Sam Campbell who took the title for the first half . . . and Bill Akers who is in the process of taking last half honors.

League standings follow:

Player	W	L
Bill Akers	10	0
Sam Campbell	11	1
Ralph Levey	7	2
Bill Hackett	4	3
John Pridgeon	3	2
Ed Del Grande	5	6
Campbell King	5	6
Bob Bass	4	5
John Jones	3	4
Dick Huber	2	5
Roy Huddleston	2	7
Don Legacy	1	9
Al Fischer	0	7

Y-12ers Take Scratch Rifle League Honors

Trophies are announced in the All Carbide High Power Rifle League. Y-12's R. J. Spurling and J. Huff take scratch honors in the league . . . Spurling's 240 scratch average was high, and Huff's 236 was next.

Handicap average highs went to two ORNL firers, A. S. Quist with a 286.440 average and to H. W. Bertini whose handicap average was 285.899.

All some of us get for our pains are aspirins.

Strontium 90 Is Stored At ORNL

A large radioisotope shipment—350,000 curies of strontium 90—arrived in Oak Ridge recently and will be stockpiled for future use as fuel in nuclear electrical power generators.

The strontium-90, a heat-emitting radioisotope, is now in storage at Oak Ridge National Laboratory, and originated at the AEC's Hanford Atomic Products Operation, Washington.

Because of its radioactivity and heat, the purified strontium 90 was loaded into a specifically designed shipping container, weighing some 18 tons, and arrived here by railway flatcar.

Added to ORNL's current stock, the new shipment brought the total amount of strontium 90 available for the Commission's nuclear power generator program to 2.3 million curies. A curie is the basic unit used to measure the radiation in a sample of material. (A curie is equal to the radioactivity of approximately one gram of radium).

Strontium 90 has been used extensively in the AEC's SNAP program for supplying electrical power in a variety of space and terrestrial uses. Heat from the decaying product is converted directly into electricity by specially designed thermoelectric generators.



Ride wanted or will join car pool from Wellington Circle, Oak Ridge, to Central Portal, straight day. Betty Jeffers, plant phone 7-8241, home phone Oak Ridge 483-9594.

Ride wanted from Hillside Road, Oak Ridge, to North or Central Portal, straight day. Ruby Lucas, plant phone 7207, home phone Oak Ridge 483-4987.

Ride wanted or will join car pool from Rockwood, to West Portal, straight day. J. W. Jackson, plant phone 7068, home phone Rockwood 354-0261.

Hookers Keep C League Tops

The Hookers kept firm control of the C League for Y-12 bowlers by taking the Five Roses for three point wins. Other similar scores went to the Rounders over the Hi Lifers and the Rodders over the Shud-A-Beens. Ties resulted in the Badgers-Sunflowers, Strikers-Big Five and Parbusters-Lucky Strikes matches.

A tie resulted in high singles as C. R. Lively, Rounders and Glen Bates, Rodders, rolled a scratch 225 score. A. G. Bryant, Hi Lifers, rolled a 271 handicap game. Frank Gragg, Strikers, did the series highs with scores of 590 and 674.

The Rounders swept team honors, singles of 903 scratch, 1037 handicap . . . series of 2517 and 2919.

League standings follow:

Team	W	L
Hookers	23	5
Sunflowers	20	8
Badgers	18½	9½
Parbusters	18	10
Five Roses	14	14
Rounders	14	14
Big Five	12	16
Lucky Strikes	11	17
Rodders	11	17
Hi Lifers	10	18
Shud-A-Beens	9	19
Strikers	7½	20½

4-Squares Keep E Bowling Loop Top

The Four Squares lengthened their lead in the E League for bowlers last week by grabbing three points from the Pintwisters. The Ten Pins also took three from the Alley Bees. The Hot Shots took the full four from the Cannon Balls.

R. Gibson, Alley Bees, rolled a 190 high scratch game . . . A. Steele, Cannon Balls, a high handicap game of 228. The Hot Shots' R. Broome took series highs with a 514 scratch and 649 total. The Four Squares rolled best scratch games of the day with singles of 676 and series of 1945. The Alley Bees took singles series highs with 799 . . . and the Ten Pins capped out on high handicap series totals with 2353.

League standings follow:

Team	W	L
Four Squares	22½	13½
Pintwisters	19	17
Alley Bees	18	18
Ten Pins	18	18
Hot Shots	18	18
Cannon Balls	12½	23½

Goofers Extend Mixed Alley Lead

The Goofers enlarged their slight lead in the Y-12 Mixed Bowling League last week by downing the Bingos for three points. The Twisters took the Blue Angels for the full count of four. Other three-point wins went to the Alley Cats over the Turtles, and the Alley Oops over the second-ranked Chumps.

Altivene Adams, Bingos, racked up high women's singles, by rolling a 177 scratch, 226 handicap game. Her scratch series of 450 was high also. Jeri Kobisk, Alley Cats, had high series in handicap counting with 604. On the male side it was W. C. Smith, Alley Cats, with a 202 scratch game . . . and his 227 handicap game was a tie with Charlie Myers' . . . Myers took the rest of the honors, rolling series of 523 scratch, 622 handicap.

The Goofers rolled best singles of 635 scratch, 785 handicap. Their scratch series of 1792 was high also. The Alley Cats took handicap series with 2303.

League standings follow:

Team	W	L
Goofers	20	8
Chumps	17½	10½
Alley Cats	15	13
Twisters	15	13
Alley Oops	13	15
Turtles	12	16
Blue Angels	11½	16½
Bingos	8	20

Winter Sportsmen Now Being Paged

Winter sportsmen in Y-12 are alerted to the fact that basketball, volley ball and badminton seasons are about to begin.

BASKETBALL — Games will be played each Monday and Wednesday nights in the Oak Ridge High School Gym.

VOLLEY BALL — Matches are set for Thursday night in the High School Gym.

BADMINTON — Singles and Doubles competition are scheduled at Jefferson Junior High School on Thursday nights.

Captains and co-captains should contact Recreation now to enter their teams in the schedule. Just call Recreation, extension 7109, and give the team's name and roster.

Basketball, of course, takes five players; volley ball six and the badminton play will either be set in singles or doubles.

If interested in play in any or all of the three sports, just give Recreation Office a call.

Outcasts Ease Up In Bush Alleys

The Outcasts moved up in Bush Bowling circles last week by virtue of a three point win over the Seven Sixties. The Teds, out front by a slim vote of one, lost three to the Hi Balls. Other three pointers went to the Spec Five over the Beavers and the Rollmasters over the Beginners.

Ron Bradley, Beavers, took the high single scratch game of the day with a 205 . . . while his teammate John Auston, rolled a 248 handicap game. Series highs went to Harry Keen, Outcasts, with a 550 scratch, and to Lou Kovach, Hi Balls, with a 655 handicap total.

The Beavers rolled the best singles, 839 scratch, 1005 handicap. Their 2337 scratch series score was high also. The Spec Five came into the picture with a 2879 series handicap score.

League standings follow:

Team	W	L
Teds	11	5
Outcasts	10	6
Rollmasters	9	7
Beavers	8	8
Beginners	8	8
Spec Five	8	8
Seven Sixties	6	10
Hi Balls	6	10

America's storms advance chiefly from west to east.